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Sent: Friday, September 26, 2014 1:38 PM
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Cc: Magolske, Peter; Zavala, Bernie
Subject: Additional Drilling/Hydrogeologic information for NuWest wells A-13, -14, -15
Attachments: Ltr to EPA re UG well Approach 2011-08-29.pdf; A-14 Geophysical Summary - Draft.pdf; A-15 Geophysical Summary - Draft.pdf; A-16 Geophysical Summary - Draft.pdf

Hi Everyone,

Attached are some files which Peter sent yesterday. They contain information from some of the Agrium wells nearest to where we will be drilling, proximal to the Aspen Range Fault. Robbert, I believe you already have the finalized lithologic logs for these wells integrated into the Conda database, but I am not sure about the downhole geophysical logs. Additionally, the attached letter documents challenges due to stratigraphy, loss of circulation, and borehole collapse that occurred during drilling and construction of well A-13, the monitoring well nearest where we will be drilling. Although we anticipate our new well location will be in more competent limestone based on the drill log from well NW-7 and our current interpretation of structural geology in this area, it is good to be aware of issues encountered at A-13 should the geology surprise us.

Peter – thank you for forwarding this information.

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